MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

November 1946

ROBERT W. SLOANE, DIRECTOR

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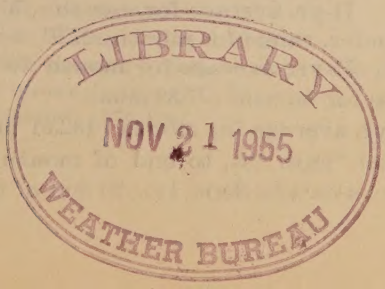

NOVEMBER 1946

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.6	63.1	63.3	63.7	24.8	19.1	22.7	23.3	21.6	22.5
2	3.3	1.6	1.9	2.3	25.1	19.2	22.1	24.8	19.9	22.3
3	2.4	0.9	0.8	1.4	25.8	19.6	23.4	22.5	21.1	22.3
4	1.3	0.4	1.0	0.9	26.1	19.1	22.7	25.1	20.0	22.6
5	0.7	1.0	1.3	1.0	26.1	19.4	23.0	24.9	20.8	22.9
6	60.3	58.8	59.5	59.5	25.8	18.9	23.3	24.9	20.5	22.9
7	0.6	9.9	61.1	60.5	25.2	19.1	23.1	24.4	19.9	22.5
8	2.0	60.7	0.6	1.1	25.0	21.4	22.4	22.7	21.6	22.2
9	0.6	59.7	0.8	0.4	26.7	20.5	24.9	24.9	22.7	24.2
10	1.9	63.0	3.1	2.7	25.6	18.3	23.3	26.6	22.8	24.2
11	63.3	61.7	63.0	62.7	23.1	18.7	20.1	22.2	21.1	21.1
12	5.1	4.5	6.0	5.2	24.2	18.3	21.6	22.7	21.1	22.1
13	7.8	7.8	7.5	7.7	24.3	18.9	21.1	23.4	19.9	21.5
14	8.5	6.7	7.0	7.4	24.7	18.4	21.8	23.3	19.9	21.4
15	7.3	5.5	5.7	6.2	23.9	18.3	21.2	22.2	20.2	21.2
16	65.8	64.8	65.1	65.2	24.5	18.4	21.7	22.8	20.1	21.5
17	4.3	2.7	2.2	3.1	24.4	19.1	22.1	22.9	21.1	22.0
18	0.3	57.9	57.8	58.7	26.8	21.1	21.1	25.7	22.2	23.0
19	75.3	6.0	7.1	7.0	27.9	21.7	26.7	26.7	21.8	25.1
20	60.8	61.3	63.0	61.7	26.5	19.3	22.2	25.6	21.5	23.1
21	65.3	64.3	64.6	64.7	22.3	17.7	22.8	21.7	18.9	21.1
22	4.0	2.2	1.9	2.7	22.7	19.2	20.5	21.4	20.2	20.7
23	1.2	59.9	0.1	0.4	23.9	18.2	21.0	23.3	19.3	21.2
24	0.7	60.2	0.2	0.4	23.4	18.3	20.1	22.8	19.4	20.7
25	1.0	59.7	59.5	0.1	23.3	19.5	19.9	22.4	19.9	20.7
26	58.3	57.7	58.4	58.1	23.9	19.0	20.4	22.4	19.9	20.9
27	9.8	4.6	60.9	8.4	23.2	17.3	19.6	22.7	19.8	20.7
28	61.6	61.2	1.7	61.5	22.3	17.3	19.5	21.6	18.8	20.0
29	2.7	1.7	2.2	2.2	22.3	18.3	19.4	21.5	18.8	19.9
30	2.9	1.7	2.7	2.4	21.8	15.7	20.7	20.4	18.3	19.8
	62.52	61.43	62.00	61.97	24.52	18.91	21.81	23.39	20.43	21.88

Barometer, range for month 768.5 — 754.6 mm.
„ 71-yr. average for month 762.63 mm.
Thermometer, range for month 27.9° — 15.7°C
„ 71-yr. average for month 19.°85 C.
Rain, total for month 7.88 m.m.
„ 71-yr. average for month 132.61 m.m.
„ Total, Sept. 1st. to end of month 69.60 mm.
„ 71-yr. average, Sept. 1st. to end of month 188.82 mm

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.0	13.9	15.1	14.0	63	65	78	69	8.6	542.0	
2	13.2	14.0	14.5	13.8	66	61	83	70	8.3	248.0	
3	13.2	16.8	14.2	14.7	62	83	76	74	8.4	259.0	
4	14.2	15.6	13.7	14.5	70	67	79	72	8.6	301.0	
5	14.0	17.7	15.7	15.8	67	75	86	76	8.1	114.0	
6	15.0	15.5	14.0	14.8	70	66	78	71	8.4	214.0	
7	16.8	18.1	15.9	16.9	81	80	91	84	8.4	356.0	
8	16.4	18.1	17.0	17.2	82	88	88	86	8.0	685.0	
9	14.0	18.7	11.4	14.7	59	80	55	65	8.4	415.0	
10	14.3	15.7	12.4	14.1	67	59	60	62	9.4	395.0	
11	15.3	15.6	15.7	15.5	87	79	84	83	9.2	359.0	1.02
12	15.1	17.1	16.2	16.1	78	83	87	83	9.8	373.0	
13	15.2	16.7	15.3	15.7	81	79	88	83	9.2	122.0	
14	15.5	17.0	15.4	16.0	80	80	89	83	8.7	103.0	
15	14.5	17.6	17.1	16.4	78	89	97	88	9.1	130.0	
16	16.9	17.3	16.4	16.9	88	84	94	89	8.0	106.0	
17	13.2	16.0	17.3	15.5	66	77	79	74	9.5	532.0	
18	13.7	12.5	10.8	12.3	74	51	55	60	9.4	262.0	
19	11.3	13.8	11.8	12.3	43	53	60	52	8.0	792.0	
20	16.4	15.4	12.7	14.8	83	63	66	71	8.8	463.0	
21	16.1	15.8	14.3	15.4	78	82	88	83	9.3	118.0	6.86
22	15.0	16.2	16.6	15.9	83	85	94	87	9.4	174.0	
23	14.4	19.0	15.9	16.4	78	89	96	88	9.3	235.0	
24	14.3	15.8	15.9	15.3	82	77	95	85	9.3	227.0	
25	14.6	16.4	11.9	14.3	84	81	70	78	9.4	180.0	
26	10.9	16.4	11.9	13.1	61	82	70	71	6.9	212.0	
27	12.9	13.7	12.2	12.9	77	68	72	76	9.3	174.0	
28	13.7	16.1	14.1	14.6	81	83	88	84	9.2	142.0	
29	11.4	16.2	14.1	13.9	67	83	87	79	9.3	225.0	
30	13.9	14.6	12.9	13.8	78	82	83	81	9.3	225.0	
	14.28	16.11	14.41	14.92	73.8	75.8	80.5	76.9	8.83	289.43	0.26

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.: above sea level 30.31 m.
Time of reading minus 2 hours equals G C.T.
71 year averagesare for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1ne	2ne	1ne	light	
2	0	0	0	0.0	1s	1sw	0	„	
3	1ci	1ci	2ci	1.3	0	0	1sw	„	
4	0	1ci	2ci	1.0	1sw	1sw	1sw	„	
5	8cu	9cu	3ci	6.7	1sw	0	1sw	„	
6	7cu-ni	2ci	7cu	5.3	0	1sw	0	light	
7	0	0	1ci	0.3	2sw	2sw	1sw	„	
8	0	0	0	0.0	0	3ne	3ne	slight	
9	8cu	10cu	10cu	9.3	2sw	2ne	1sw	„	
10	0	0	3cu	1.0	1sw	0	1sw	light	
11	1cu	0	0	0.3	1sw	2sw	2ne	slight	
12	0	0	0	0.0	1sw	2ne	1ne	„	
13	2ci	6cu	0	2.7	0	1ne	0	„	
14	0	2ci	0	0.7	0	1nw	0	light	
15	1ci	0	0	0.3	1sw	1ne	0	„	Tr. a.m.
16	1ci	10cu-ci	0	3.7	1se	0	0	light	D, a.m.
17	1ci	0	10cu-ci	3.7	0	1ne	0	„	
18	8ci	8ci	4ci	6.7	0	2sw	1sw	slight	
19	2ci	8cu	0	3.3	1sw	1sw	1sw	light	
20	2cu	2cu	3cu-ni	2.3	3sw	2sw	1sw	slight	Tr. p.m.
21	2cu	0	0	0.7	1sw	2ne	1ne	slight	
22	0	0	0	0.0	1e	2ne	0	„	Tr. a.m.
23	1ci	1cu	1cu	1.0	1sw	1sw	2sw	„	D, a.m.
24	4ci	2ci	0	2.0	0	1sw	0	„	D, a.m.
25	0	0	0	0.0	1se	1nw	0	light	Heavy D, a.m.
26	10cu	10cu	0	6.7	0	1sw	0	light	
27	4cu	0	0	1.3	1se	0	0	„	
28	0	3ci	0	1.0	1se	1sw	0	„	
29	0	0	0	0.0	1se	1s	1s	„	
30	10cu	4cu	0	4.7	1sw	1ne	1sw	„	Tr. at noon

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	1	6	1	12	0	0	9	30
14:30	0	10	0	0	1	12	0	2	5	30
20:30	0	5	0	0	1	11	0	0	13	30
Mean	0	16	1	6	3	35	0	2	27	90

Number of days with rain 2, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 9.4